	DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD	
--	--	--

EX

\$	22222222 22222222 22222222 22222222 2222	RRRRRRRR RR	NN NN NN NN NN NN NNN NN NNNN NN NN NN N	\$	
		\$			

EDTS VO4-

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Page

VAX-11 Bliss-32 V4.0-742 CEDT.SRCJSCRINSERT.BLI:1

EDTS VO4-

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EDT\$SCRINSERT V04-000	EDT\$SCRINSERT - insert a line on the screen	G 2 16-Sep-1984 01:35:13 14-Sep-1984 12:24:29	VAX-11 Bliss-32 V4.0-74 CEDT.SRCJSCRINSERT.BLI;
58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73	0058 1 1-011 - Set the current screen poin 0059 1 1-012 - Add support for NOTRUNCATE 0060 1 1-013 - Update L_CUR_SCRLN on inser 0061 1 1-014 - Don't rebuild the screen af 0062 1 1-015 - Don't increment the record rather than inserted befor 0063 1 1-016 - Check for replacing a multi 0065 1 1-017 - Fix notruncate bug on searc 0066 1 1-018 - Remove the edit buffer. JB 0067 1 1-019 - Remove the unused reference 0068 1 1-020 - Support EDT\$\$G_ANY_CHANGES. 0069 1 1-021 - Worry about replacing the continuation line of it. 0071 1 1-022 - Maintain EDT\$\$L_CUR_SCRLN e the screen data base. JBS 0073 1 1-0074 1 1-0074 1 1-0075 1-0076 1-00774 1-00	ter when a line is insert mode. JBS 11-Oct-1982 t. SMB 13-Oct-1982 ter deleting a line. JBS number if our record was e. JBS 25-Oct-1982 -line record. JBS 26-Oct hing for deleted lines. S 27-Dec-1982 to EDT\$\$G_CS_CHNO. JBS JBS 05-Apr-T983 urrent line when the curs JBS 06-Jul-1983 ven if the current line i 25-Jul-1983	ed. SMB 10-Oct-1982 23-Oct-1982 replaced -1982 SMB 02-Dec-1982 27-Dec-1982 or is on s outside of

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Page 2 (1)

EDTSSCRINSERT VO4-000	EDT\$SCRINSERT - insert a line on the screen Declarations	H 2 16-Sep-1984 01:35:13 14-Sep-1984 12:24:29	VAX-11 Bliss-32 V4.0-742 LEDT.SRCJSCRINSERT.BLI;1	Page (2)
76 77 78 79 81 82 83 84 88 88 89 91 92 93 94 95 97 98 99 100 101 102	0075 %SBTTL 'Declarations' 0076 TABLE OF CONTENTS: 0077 TABLE OF CONTENTS: 0079 REQUIRE 'EDTSRC:TRAROUNAM'; 0519 FORWARD ROUTINE EDT\$\$SC_INSLN : NOVALUE; 0521 INCLUDE FILES: 0523 INCLUDE FILES: 0524 INCLUDE FILES: 0525 REQUIRE 'EDTSRC:EDTREQ'; 0662 MACROS: 0663 NONE 0667 OWN STORAGE: 0669 NONE 0671 EXTERNAL REFERENCES: 0673 In the routine			
98 99 100 101 102 103	0669 1 NONE 0670 1 NONE 0671 1 EXTERNAL REFERENCES: 0673 1 In the routine			

```
16-Sep-1984 01:35:13
14-Sep-1984 12:24:29
EDTSSCRINSERT
V04-000
                             EDT$SCRINSERT - insert a line on the screen EDT$$SC_INSLN - mark a line for insert
                                                                                                                                                                   VAX-11 Bliss-32 V4.0-742 LEDT.SRCJSCRINSERT.BLI;1
                                                                                                                                                                                                                                       Page
                                            *SBTTL 'EDT$$SC_INSLN - mark a line for insert'
     105
106
107
108
109
110
                                            GLOBAL ROUTINE EDT$$SC_INSLN (
REC_ADDR,
REC_LEN
): NOVALUE =
                                                                                                                                         Mark a work file line for insert
Address of new line
Length of new line
     112
                                                FUNCTIONAL DESCRIPTION:
     115
                                                            A line has been inserted. Mark the line for insert in the screen
     116
                             0686
0687
0688
0689
0691
0692
0693
0694
0696
0697
0700
0701
0702
0703
                                                            information structure.
                                                FORMAL PARAMETERS:
     111222345678901234567890123456789012345678901
                                                  REC_ADDR
                                                                                         the address of the new line
                                                  REC_LEN
                                                                                         the length of the new line
                                                 IMPLICIT INPUTS:
                                                           EDT$$A_LN_PTR
EDT$$T_LN_BUF
EDT$$A_SCR_BUF
EDT$$A_CUR_BUF
                                                IMPLICIT OUTPUTS:
                                                           EDT$$L_CUR_SCRLN
EDT$$A_CSR_SCRPTR
EDT$$G_ANY_CHANGES
                             0704
0705
0706
0707
                                                ROUTINE VALUE:
                             0708
                             0709
                                                           NONE
                                                SIDE EFFECTS:
                                                           NONE
                             0714
0715
0716
0717
                                                    BEGIN
                                                   EXTERNAL ROUTINE EDT$$SC_LNINS. EDT$$SC_FNDREC:
                                                                                                                                      ! Insert a line into sceen structure ! Find a record in the data structure
                                                 EXTERNAL

EDT$$A_LN_PTR,

EDT$$L_CUR_SCRLN : LN_BLOCK,

EDT$$T_LN_BUF,

EDT$$A_CSR_SCRPTR : REF SCREEN_LINE,

EDT$$A_SCR_BUF : REF TBCB_BLOCK,

EDT$$A_CUR_BUF : REF TBCB_BLOCK,

EDT$$G_ANY_CHANGES;
                                                                                                                                         Current screen line
Workfile line buffer
Pointer to current line screen info
                                                                                                                                          Current screen block
Current text buffer control block'
                                                                                                                                          1 = a change has been mode to the screen data structure
```

EDTS

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EDTSSCRINSERT
V04-000
                  EDT$SCRINSERT - insert a line on the screen EDT$$SC_INSLN - mark a line for insert
                                                                                                                                                 Page
                               CURSOR_LINE,
CURSOR_POS,
SCRPTR: REF SCREEN_LINE,
   Relative cursor line
Cursor position on the line
Current line screen info
1 = the cursor line had been deleted
                                                                                      Displacement from cursor line
                                     SCRLN_POS:
                                                                                      Our position relative to the screen line
                              Only perform this routine if the current buffer is on the screen and the screen data structure exists.
                                IF (.EDT$$A_SCR_BUF NEQA .EDT$$A_CUR_BUF) THEN RETURN;
                              Compute our position relative to the screen line.
                                SCRLN_POS = CMPLNO (EDT$$A_CUR_BUF [TBCB_CUR_LIN], EDT$$L_CUR_SCRLN);
                              Get the pointer which corresponds to the current record. The insert will be just before that record.
                                SCRPTR = EDT$$SC_FNDREC (.EDT$$A_LN_PTR - EDT$$T_LN_BUF, DISP);
                              We will do the insert above the current screen information block. If there is a deleted line before the current screen information block
                              we will replace it. If that line is the cursor line, don't increment
                              the record number of the cursor line.
                                 IF (.SCRPTR NEQA 0)
                                THEN
                                     BEGIN
                              Tell the screen updater to search the screen data structure for any changes.
                                     EDT$$G_ANY_CHANGES = 1;
                              See if the cursor line has already been deleted.
                                     IF ((.EDT$$A_CSR_SCRPTR [SCR_EDIT_FLAGS] AND SCR_EDIT_DELLN) NEQ 0)
                                          CURSOR_DELETED = 1
                                     ELSE
                                          CURSOR_DELETED = 0;
                              Now insert just before the current line.
                                     EDT$$SC_LNINS (.SCRPTR, .REC_ADDR, .REC_LEN);
                              If we just replaced the current screen line, don't increment it's record number.
                                     IF ( NOT (.CURSOR_DELETED AND ((.EDT$$A_CSR_SCRPTR [SCR_EDIT_FLAGS] AND SCR_EDIT_DELLN) EQL ()))
```

EDTS

```
K 2
16-Sep-1984 01:35:13
14-Sep-1984 12:24:29
EDT$SCRINSERT
V04-000
                           EDT$SCRINSERT - insert a line on the screen EDT$$SC_INSLN - mark a line for insert
                                                                                                                                                          VAX-11 Bliss-32 V4.0-742
LEDT.SRCJSCRINSERT.BLI;1
                                                                                                                                                                                                                          Page
                                                               BEGIN
    IF (.SCRLN_POS LEQ O) THEN ADDLINE (NUMBER_ONE, EDT$$L_CUR_SCRLN);
                                                               END:
                                                        END
                                                 ELSE
                                             If the line to be inserted is in the buffer being displayed on the screen but outside the screen data base we must still maintain EDT$$L_CUR_SCRLN.
                                                       BEGIN
                                                        IF (.SCRLN_POS LEQ O) THEN ADDLINE (NUMBER_ONE, EDT$$L_CUR_SCRLN);
                                                       END:
                                                 END:
                                                                                                                              ! of routine EDT$$SC_INSLN
                                                                                                                                  .TITLE EDT$SCRINSERT EDT$SCRINSERT - insert a line on
                                                                                                                                                                        the screen
                                                                                                                                  . IDENT
                                                                                                                                               \V04-000\
                                                                                                                                               EDT$$SC_LNINS, EDT$$SC_FNDREC
EDT$$A_EN_PTR, EDT$$L_CUR_SCRLN
EDT$$T_LN_BUF, EDT$$A_CSR_SCRPTR
EDT$$A_SCR_BUF, EDT$$A_CUR_BUF
EDT$$G_ANY_CHANGES
                                                                                                                                  .EXTRN
                                                                                                                                  .EXTRN
                                                                                                                                  .EXTRN
                                                                                                                                  .EXTRN
                                                                                                                                  .EXTRN
                                                                                                                                  .PSECT
                                                                                                                                                _EDT$CODE,NOWRT, SHR, PIC.2
                                                                                                                                               EDT$$SC_INSLN, Save R2.R3,R4,R5
EDT$$A_CSR_SCRPTR, R5
HIGH_2, R4
#4, SP
                                                                                                        00000
00002
00009
00010
00013
00001A
00021
00026
00026
00026
00026
00036
00038
00038
00038
00038
00038
00038
00041
00043
00044
00046
00046
                                                                                                                                  .ENTRY
                                                                                                                                                                                                                                0677
                                                                         00000000G
                                                                                                   9E
9E
00
01
                                                                                             00
00
04
00
7D
                                                                                                                                  MOVAB
SUBL 2
MOVL
CMPL
BNEQ
MOVZWL
                                                                                                                                               #4, SP
EDT$$A_CUR_BUF, RO
EDT$$A_SCR_BUF, RO
10$
                                                                         00000000G
                                                                                                                                                                                                                                0744
                                                                                                                                               HIGH 2. R1
10(R0), R1
                                                                                                                                                                                                                                0749
                                                                    51
51
                                                                                    OA
                                                                                                                                  CMPW
                                                                                                                                  BLSSU
BNEQ
                                                                                                                                                LOW 2, R1
6(RU), R1
                                                                                                                                  MOVL
                                                                    51
                                                                                    FC
06
                                                                                                                                  CMPL
                                                                                                                                  BGEQU
                                                                    52
                                                                                                                                  MNEGL
                                                                                                                                  BRB
                                                                                                                                  BNEQ
                                                                                                                                  CLRL
                                                                                                                                  BRB
                                                                    52
                                                                                                    DO
                                                                                                                                  MOVL
                                                                                                                                                      R2
                                                                                                   DD
9E
                                                                                                                                                                                                                                0754
                                                                                                                                  PUSHL
                                                                                                                                               EDTSST LN BUF, RO
RO, EDTSSA LN PTR,
#2, EDTSSSC_FNDREC
                                                                         00000000G
                                                                                                                                  MOVAB
                                           7E 00000000G
00000000G
                                                                                                                                  SUBL3
                                                                                                                                  CALLS
```

EDTS

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EDT\$SCRINSERT	EDT\$SCRINSERT - insert EDT\$\$SC_INSLN - mark	a line on a line for	the scr	een	16-Sep-198 14-Sep-198	34 01:35:13 34 12:24:29	VAX- 1 Bliss-32 V4.0-742 LEDT.SRCJSCRINSERT.BLI;1	Page 7 (3)
	00000000G 05	00 08 50 A0	53060005A505505050505050505050505050505050	D100101400B901554546264	0005E 00060 00062 00069 0006C 00071 00074 00076 00078 0007C 0007E 00085 00088 00088 00088 00090 00092 00094 00095 00097 00097 00097 00096 00	MOVL #1, MOVL EDT BBC #2, MOVL #1, BRB 6\$ CLRL CUR MOVQ REC PUSHL SCR CALLS #3, BLBC CUR MOVL EDT BBC #2, TSTL SCR BLEQ 9\$ RET TSTL SCR BIEQ FIR	EDTSSG_ANY_CHANGES SSA_CSR_SCRPTR, R1 13(R1), 5\$ CURSOR_DELETED SOR_DELETED ADDR, -(SP) PTR EDTSSSC_LNINS SOR_DELETED, 7\$ SSA_CSR_SCRPTR, R0 13(R0), 10\$ LN_POS LN_POS ST_LWORD	0762 0768 0773 0775 0777 0782 0787 0791 0803

; Routine Size: 161 bytes. Routine Base: _EDT\$CODE + 0000

: 238 0808 1 : 239 0809 1 !<BLF/PAGE>

> : Si : Ru : El : Le : Le : Co

EDT\$

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EDT\$SCRINSERT - insert a line on the screen 16-Sep-1984 01:35:13 VAX-11 Bliss-32 V4.0-742 EDT\$\$SC_INSLN - mark a line for insert 14-Sep-1984 12:24:29 [EDT.SRCJSCRINSERT.BLI;1

1 0810 1 END 2 0811 1 3 0812 0 ELUDO

! of module EDT\$SCRINSERT

PSECT SUMMARY

Name Bytes

Attributes

_EDT\$CODE

EDTSSCRINSERT V04-000

161 NOVEC, NOWRT, RD , EXE, SHR, LCL, REL, CON, PIC, ALIGN(2)

Library Statistics

File	Total	Symbols Loaded	Percent	Pages Mapped	Processing Time	
\$255\$DUA28:[EDT.SRC]EDT.L32:1 \$255\$DUA28:[EDT.SRC]PSECTS.L32:1	377	44	11 50	49	00:00.2	

COMMAND QUALIFIERS

BLISS/CHECK=(FIELD, INITIAL, OPTIMIZE)/NOTRACEBACK/LIS=LIS\$:SCRINSERT/OBJ=OBJ\$:SCRINSERT MSRC\$:SCRINSERT.BLI/UPDATE=(ENH\$:SCRINSERT)

Size: 161 code + 0 data bytes
Run Time: 00:15.2
Elapsed Time: 00:19.9

Run Time: 00:15.2 Elapsed Time: 00:19.9 Lines/CPU Min: 3205 Lexemes/CPU-Min: 12635 Memory Used: 114 pages Compilation Complete 0139 AH-BT13A-SE

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